

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/27/05

Date Received: 09/22/05

Project: % of Acid, PO# M106976, F&BI 509182

Date Analyzed: 09/23/05

**RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLES
FOR PERCENT ACID**

Sample ID
Laboratory ID

Percent Acid

M106976A Small Tank
509182-01

11

M106976B
509182-02

11

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Date Extracted: 09/23/05

Date Analyzed: 09/23/05

**RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLES
FOR SPECIFIC GRAVITY
@ 15.56 °C**

Sample ID

Laboratory ID

Specific Gravity

M106976A Small Tank
509182-01

1.28

M106976B
509182-02

1.28

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/27/05
Date Received: 09/22/05
Project: % of Acid, PO# M106976, F&BI 509182
Date Extracted: 09/26/05
Date Analyzed: 09/26/05

**RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLE
FOR FINGERPRINT CHARACTERIZATION
BY INDUCTIVELY COUPLED PLASMA (ICP)
EMISSION SPECTROSCOPY**

The Metals Were Found at the Approximate Levels Indicated
Results Reported as $\mu\text{g/mL}$ (ppm)

Sample ID: M106976A Small Tank
Laboratory ID: 509182-01

Copper	33,000 ppm
Iron	38,000 ppm

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**RESULTS FROM THE ANALYSIS OF AQUEOUS SAMPLE
FOR FINGERPRINT CHARACTERIZATION
BY INDUCTIVELY COUPLED PLASMA (ICP)
EMISSION SPECTROSCOPY**

The Metals Were Found at the Approximate Levels Indicated
Results Reported as $\mu\text{g/mL}$ (ppm)

Sample ID: M106976B
Laboratory ID: 509182-02

Copper	3,400 ppm
Iron	61,000 ppm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Project: % of Acid, PO# M106976, F&BI 509182

**QUALITY ASSURANCE RESULTS
FROM THE ANALYSIS OF AQUEOUS SAMPLES
FOR PERCENT ACID**

Laboratory Code: 509182-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Percent of Acid	11	12	9	0-20

FRIEDMAN & BRUYA, INC.

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Date Received: 09/22/05

Project: % of Acid, PO# M106976, F&BI 509182

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF AQUEOUS SAMPLES
FOR SPECIFIC GRAVITY
@ 15.56 °C**

Laboratory Code: 509182-02 (Duplicate)

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Specific Gravity	1.28	1.28	0	0-2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

September 27, 2005

DUPLICATE COPY

INVOICE # 05ACU0927-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project % of Acid, PO# M106976, F&BI 509182 - Results of testing requested
by Gerry Thompson for material submitted on September 22, 2005.

2 samples analyzed for Specific Gravity @ \$37.50 per sample (24 hour)	\$ 75.00
2 samples analyzed for Percent Acid Content @ \$75 per sample (24 hour)	150.00
2 samples analyzed for Total Fe and Cu by Method 6010B @ \$50 per sample	100.00
2 samples analyzed for Fluoride by Method 300.0 @ \$30 per sample	<u>60.00</u>
Amount Due	\$ 385.00

FEDERAL TAX ID #

(b) (6)

509182

SAMPLE CHAIN OF CUSTODY

CM 09/22/05

AD4

Send Report To

G. Thompson

Company

Alaska Copper Works

Address

628 S. Hancock St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

% of Acid

PO #

M-106976

REMARKS

Please Resh

% of Acid ? SG

And call

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	% of Acid	Spec. Gravity	Cu, FE	Fluoride	
M106976A	01	9/22/05	10:00	HNO3	1							X	X	X	X	
Small Tank																
M106976B	02	9/22/05	10:00	HNO3	1							X	X	X	X	

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. Thompson

Nhan Phan

COMPANY

ACW

FeBI

DATE

9/22/05

9/22/05

TIME

2:33pm

✓

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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September 27, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

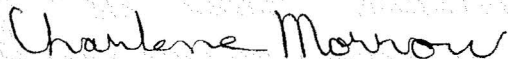
Included are the results from the testing of material submitted on September 22, 2005 from the % of Acid, PO# M106976, F&BI 509182 project. There are 6 pages included in this report. Samples were sent to Analytical Resources, Inc. for fluoride analysis. The report generated by ARI will be forwarded to your office upon receipt.

Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU0927R.DOC